Filing Date: September 8, 2003

Title: METHODS FOR MANUFACTURING PRINTED CIRCUIT BOARDS USING A PARTIAL PRINTING PROCESS AND APPARATUS Assignee: Intel Corporation

## **IN THE CLAIMS**

The pending claims are as follows:

 (Original) A method for manufacturing printed circuit boards comprising: placing a component on a circuit board;

partially printing attachment media on the circuit board with a pressurized squeegee head containing at least one blocking cap, wherein no attachment media is printed onto the component; and

placing additional components on the circuit board.

- 2. (Original) The method of claim 1 wherein the component is a die.
- 3. (Original) The method of claim 2 further comprising testing the die prior to the partial printing step.
- 4. (Original) The method of claim 1 wherein the attachment media is solder paste, liquid flux or adhesive paste.
- 5. (Original) The method of claim 1 further comprising shipping the circuit board to another location before the partial printing step.
- 6. (Original) The method of claim 1 further comprising reflowing the attachment media and performing in-circuit testing.
- 7. (Original) The method of claim 1 wherein the pressurized squeegee head contains two blocking caps.

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8. (Original) The method of claim 1 wherein the pressurized squeegee head contains three blocking caps.

- 9. (Original) The method of claim 1 wherein the pressurized squeegee head contains four or more blocking caps.
- 10. (Original) A method comprising:

placing a component on a circuit board;

shipping the circuit board to another location;

partially printing attachment media on the circuit board with a pressurized squeegee head containing at least one blocking cap, wherein no attachment media is printed onto the component; and

placing additional components on the circuit board.

- 11. (Original) The method of claim 10 wherein the component is a die.
- 12. (Original) The method of claim 11 further comprising testing the die prior to the partial printing step.
- 13. (Original) The method of claim 10 wherein the attachment media is solder paste, liquid flux or adhesive paste.
- 14. (Original) The method of claim 10 further comprising reflowing the attachment media.
- 15. (Original) The method of claim 14 further comprising performing in-circuit testing.

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16. (Original) A method for manufacturing printed circuit boards comprising: placing a die on a circuit board;

partially printing solder paste on the circuit board with a pressurized squeegee head containing at least one blocking cap, wherein no solder paste is printed onto the die; and placing additional components on the circuit board.

- 17. (Original) The method of claim 16 further comprising testing the die prior to the partial printing step.
- 18. (Original) The method of claim 17 further comprising shipping the circuit board to another location before the partial printing step.
- 19. (Original) The method of claim 18 further comprising reflowing the solder paste.
- 20. (Original) The method of claim 19 further comprising performing in-circuit testing.